

ABSTRACT OF THE DISCLOSURE

An electromechanical machine includes a stator fixed with respect to a housing structure and a rotor fixed with respect to a driven shaft. The stator includes a magnetically permeable core having a plurality of parallel winding slots containing conductive windings. Coilheads are located at opposite axial ends of the magnetically permeable core where the windings turn to extend down a parallel winding slot. The motor is equipped with an electrostatic shield arrangement to reduce capacitive coupling between the stator and rotor during operation. The shield arrangement comprises a grounded conductive layer separated from the conductive windings of the stator by an insulative layer of cured resin material. Preferably, the conductive layer may be formed of a conductive paint.

09748102-122200